

What is claimed is:

- 1) A wireless handheld device, comprising:
a processor; and,
5 a memory, coupled to the processor, capable to store a software component for simultaneously attaching a short distance wireless network to a wide area network having a first address providing a first service and a second address providing a second service.
- 2) The device of claim 1, wherein the first and second addresses identify a
10 domain providing respective predetermined privileges.
- 3) The device of claim 1, wherein the first and second addresses are access point names ("APNs").
- 15 4) The device of claim 1, wherein the first and second addresses include a first and second port number.
- 5) The device of claim 1, wherein the first service provides a wireless application protocol ("WAP")
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- 6) The device of claim 1, wherein the first service provides access to the Internet.
- 7) The device of claim 1, wherein the first service provides a hypertext
25 transfer ("HTTP") protocol.
- 8) The device of claim 1, wherein the first service is a multimedia messaging Service Center ("MMSC").

9) The device of claim 1, wherein the selectively attaching includes establishing a dial-up network session.

10) The device of claim 1, wherein the selectively attaching includes
5 establishing a short-range LAN access profile session.

11) The device of claim 1, wherein the software component selectively
attaches response to a first terminal in the short distance wireless network communicating
with the device.
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12) The device of claim 11, wherein the communicating includes the terminal
transmitting an IP message including a port number.

13) The device of claim 1, wherein the wide area network is a Global System
15 for Mobile communications ("GSM") cellular network.

14) The device of claim 1, wherein the short distance wireless network is a
Bluetooth™ wireless local area network.

20 15) The device of claim 1, wherein the device further includes a short-range
LAN Access profile software component.

16) The device of claim 3, wherein the software component further includes a
table of available APNs.
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17) A method for communicating with a cellular network, comprising the
steps of:

generating a first short-range radio message including a first IP address and a first
port number for the cellular network, by a terminal, in a short distance wireless network;

receiving, by a device, the first short-range radio message;
determining whether the device is attached to the first port number;
generating a cellular signal, by the device, requesting a first service from the
cellular network responsive to the first short-range radio message;

5 generating a second short-range radio message including a second IP address and
a second port number for the cellular network, by a terminal, in a short distance wireless
network;

receiving, by a device, the second short-range radio message;
determining whether the device is attached to the second port number; and,
10 generating a cellular signal, by the device, requesting a second service from the
cellular network responsive to the second short-range radio message.

18) The method of claim 17, wherein the terminal is a messaging terminal and
the device is a cellular telephone.

15 19) The method of claim 14, wherein the cellular network is a Global System
for Mobile communications ("GSM") cellular network and the first service is a WAP
service and the second service is Internet access.

20 20) The method of claim 14, wherein the short distance wireless network is a
Bluetooth™ wireless local area network.

21) The method of claim 14, wherein the short distance wireless network is an
802.11 wireless local area network.

25 22) A method for communicating with a cellular network, comprising the
steps of:

receiving, by a device, a plurality of short-range radio messages, from a respective plurality of terminals, in a short distance wireless network for a plurality of respective services in the cellular network; and,

5 attaching simultaneously to the respective services, by the device, responsive to the plurality of requests.

23) An system for providing communication between a cellular network and a short distance wireless network, comprising:

a hand-held wireless device, including:

10 a cellular transceiver to communicate with the cellular network;

a short-range transceiver to communicate with the short-range radio network, including to receive a first short-range radio message having a first APN and a second short-range radio message having a second APN;

15 a memory, coupled to the cellular and short-range radio transceivers, to store a software component to simultaneously transfer a plurality of packets to the first APN and the second APN responsive to the first and second short-range radio messages; and,

a first wireless device to generate the first and second short-range radio messages.

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24) The system of claim 23, wherein the first wireless device is selected from a group consisting of a desktop computer, a laptop computer, a personal digital assistant, a headset, a pager, a pen, a printer, a watch, a digital camera and an equivalent.

25 25) An article of manufacture, including a computer readable medium, comprising:

a short-range radio software component to provide a short-range radio signal in a short distance wireless network;

a cellular software component to provide a communication signal in a cellular network; and,

5 a software component to simultaneously transfer a plurality of packets between the a first APN and a second APN in the cellular network and the short distance wireless network responsive to a first short-range radio message including a first IP address and fir port number and a second short-range radio message including a second IP address and a second port number.